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Bibliography of Canadian Zoology for the year 1915

by

E. M. Walker, F.R.S.C.

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Bibliography of Canadian Zoology.

(Exclusive of Entomology.)

By E. M. WALKER, F.R.S.C.

(Read by Title, May Meeting, 1916.)

INVERTEBRATA.

PROTOZOA.

MAVOR, J. W.

Studies on the Sporozoa of the fishes of the St. Andrew's Region.

Contributions to Canadian Biology, 1911-1914. Fasciculus I—Marine Biology. Supplement to [illegible] Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 25-38, with Plate IV.

Describes one Coccidian and four Myxosporidian parasites of fishes from this region.

On the occurrence of a Trypanoplasm, probably Trypanoplasma borreli Laveran et Mesnil, in the blood of the Common Sucker, Catostomus commersonii.

Journal of Parasitology, September, 1915, vol. ii, pp. 1-6, with one plate.

Describes the structure of this Flagellate and the condition of the host in which it was found.

WICKWARE, A. B.

Is Leucocytozoon anatis the cause of a new disease in ducks?

Parasitology, June 1915, vol. viii, no. 1, pp. 17-21, with plates I-III.

Describes the symptoms and etiology of a new infectious disease of ducks and the occurrence in the blood of affected animals of a new Flagellate, *Leucocytozoon anatis*.

VERMES.

COOPER, A. R.

Contributions to the life-history of Proteocephalus ambloplitis Leidy, a parasite of the Black Bass.

Contributions to Canadian Biology, 1911-1914. Fasciculus II—Fresh-water fish and lake biology. Supplement to 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 177-194, with plates XIX-XXI.

An account of the anatomy of the adult of this tapeworm and of various larval stages, and its mode of occurrence in the host.

Trematodes from marine and fresh-water fishes including one species of ectoparasitic Turbellarian.

Transactions of the Royal Society of Canada, Series III, 1915, vol. IX, Sec. IV, pp. 181-205, with Plates I-III.

Descriptive notes on 13 species from marine fishes and sixteen species from fresh-water fishes.

DOUTHITT, HERMAN.

Studies on the Cestode family Anoplocephalidae.

Illinois Biological Monographs, January, 1915, vol. 1, no. 3, pp. 1-86, with plates I-VI.

An important taxonomic study of this family of tapeworms.

Anoplocephala infrequens n. sp., parasitic in *Geomys bursarius*, is recorded from Emerson, Man.

FRASER, C. MCLEAN.

The swarming of Odontosyllis.

Transactions of the Royal Society of Canada, Series III, 1915, vol. IX, Sec. IV, pp. 43-49.

Observations on the time of swarming of Odontosyllis phosphorea (Moore) and the concurrent meteorol al conditions.

RYERSON, MISS C. G. S.

Notes on the Hirudinea of Georgian Bay.

Contributions to Canadian Biology, 1911-1914. Fasciculus 11—Fresh-water fish and lake biology. Supplement to 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 165-175.

Gives descriptive and ecological notes on the 17 specie f leeches found in this region.

WHITE, H. T.

Bryozoa of the Georgian Bay Region

Contributions to Canadian Biology, 1911-1914. Fasciculus 11—Fresh-water fish and lake biology. Supplement to the 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 195-199.

Gives descriptive and ecological notes on the ten species and varieties, with a key to the species of Plumatella.

ARTHROPODA.

DE DEÉS, EUGENE DADAY.

Monographie systématique des Phyllopodes conchostraces. Annales des sciences naturelles. Zoologie, Octobre, 1915, tome XX, nos. 4 à 6, pp. 193-330. (Continued from 1914).

Cyzicus mexicanus (Cls.) is reported from Lake Winnipeg (previously described and recorded from this locality by W. Baird as Estheria caldwelli).

HANSEN, H. J.

The Crustacea Euphausiacea of the United States National Museum.

Proceedings of the United States National Museum, 1915, vol. XLVIII, no. 2065, pp. 59-114, with plates 1-4.

The following species are recorded from Canadian localities: *Meganyctiphanes norvegica* M. Sars, *Euphausia pacifica* H. J. Hansen, *Thysanoessa longipes* Brandt, *T. spinifera* Holmes, *T. inermis* Kroyer and *T. raschii* M. Sars.

HUNTSMAN, A. G.

A new Caprellid from the Bay of Fundy.

Contributions to Canadian Biology, 1911-1914. Fasciculus I—Marine Biology. Supplement to the 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 39-42, with plates V and VI.

Describes *Mayerella limicola*, new genus and species.

The fresh-water Malacostraca of Ontario.

Contributions to Canadian Biology, 1911-1914. Fasciculus II—Fresh water fish and lake biology. Supplement to 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 145-163, with 13 text-figures.

Gives keys to the orders, genera and species and notes on the distribution of the latter.

PRINCE, EDWARD E.

The New Zealand Peripatus.

The Ottawa Naturalist, January, 1915, vol. XXVIII, no. 10, pp. 134-138.

A popular account of this interesting animal, living specimens of which were brought to Canada by the writer.

SARS, G. O.

Entomostraca of Georgian Bay.

Contributions to Canadian Biology, 1911-1914, Fasciculus II—Fresh-water fish and lake biology. Supplement to 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 221-222.

An annotated list of 16 species occurring in a series of surface tow-nettings made at the Georgian Bay Biological Station.

STOCK, V.

On some of the Parasitic Copepods of the Bay of Fundy Fish.

Contributions to Canadian Biology, 1911-1914. Fasciculus I—Marine Biology. Supplement to the 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 69-71.

Gives notes on the host relations of certain Copepoda, particularly of the families Caligidae and Argulidae.

WILSON, CHARLES BRANCH.

North American Parasitic Copepods belonging to the Lernaeopodidae, with a revision of the entire family.

Proceedings of the United States National Museum, 1915, Vol. 47, no. 2063, pp. 565-729, with plates 25-56 and figures 1-15.

Charopinus dentatus Wilson, *Clavella parva* Wilson and *Clavellopsis robusta* Wilson are reported from Canadian waters. *Brachiella pinguis* n. sp. was taken south of Newfoundland.

MOLLUSCA.

DALL, WILLIAM H.

Notes on the Semelidae of the West Coast af America, including some new species.

Proceedings of the Academy of National Sciences of Philadelphia, January 1915, vol. LXVII, part 1, pp. 25-28.

Includes one Canadian species from British Columbia, *Semele rubropicta*.

DETWEILER, JOHN D.

Preliminary notes on the Mollusca of St. Andrew's and vicinity, New Brunswick.

Contributions to Canadian Biology, 1911-1914. Fasciculus I.—Marine Biology. Supplement to the 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 41-46.

An annotated list of 57 species.

LATCHFORD, F. R. (L).

Conchological Notes.

The Ottawa Naturalist, June-July, 1915, vol. XXIX, Nos. 3 and 4, pp. 51-52.

Given notes on certain Unionidae of the Hudson Bay drainage area.

ROBERTSON, A. D.

The Mollusca of Georgian Bay.

Contributions to Canadian Biology, 1911-1914. Fasciculus II—Fresh water fish and lake biology. Supplement to the 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 95-111, with plates X-XII.

Descriptive notes are given on the various species with observations on their habitats and a key to the families, genera and species.

VANATTA, E. G.

Two new varieties of Valvata.

The Nautilus, January, 1915, vol. XXVII, no. 9, pp. 104-105, with 4 text figures.

Valvata tricarinata infracarinata n. var. is recorded from Hamilton Ont.

ECHINODERMATA.

OKSHIMA, HIROSHI.

Report on the Holothurians collected by the United States Fisheries Steamer "Albatross" on the North-western Pacific during the summer of 1906.

Proceedings of the United States National Museum, 1915, vol. 48, no. 2073, pp. 213-291, with plates 8-11.

The following species are recorded from Canadian waters: *Pannychia moseleyi virgulifera* n. subsp., *Cucumaria chronhjelmi* Théel, *C. calcigera* (Stimpson) and *Chiridota albatrossii* Edw.

VERTEBRATA

PISCES (Fishes).

ANDERSON, E. M.

Fishes collected in Atlin, 1914.

Report of the Provincial Museum of Natural History for the year 1914. Province of British Columbia, 1915, p. F21.

Four species of fish and one batrachian are recorded.

BENSLEY, B. A.

The fishes of Georgian Bay.

Contributions to Canadian Biology, 1911-1914. Fasciculus II—Fresh water fish and lake biology. Supplement to 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 1-51, with plates I and II and 6 text figures.

A descriptive account of the fishes of this region, with notes on habits, distribution etc., including a description of the topography of the vicinity of Go Home Bay.

FRASER, C. MCLEAN.

On Clupea pallasii Cuvier and Valenciennes.

Transactions of the Royal Canadian Institute, 1915, Vol. XI, part 1, no. 25, pp. 97-108, with plates VIII and IX.

Discusses the spawning habits and development of this herring.

Icthyological notes on: i, Ophiodon elongatus Girard; ii Oncorhynchus keta Walbaum; iii, The diagnosis of fish by means of the scales; iv, Mallotus villosus Müller.

Idem, 1915, vol. XI, part 1, no. 25, pp. 109-118, with Plate X.

HALKETT, ANDREW.

A suggestive note as to what might be brought to light about the paddlefish through deep lake dredging.

The Ottawa Naturalist, December, 1915, vol. XXIX, no. 9, pp. 114-115.

Suggests the probability of this fish inhabiting the beds of the rivers and lakes in which it normally occurs.

LINCOLN, ROBERT PAGE.

The Speckled Brook Trout.

Rod and Gun in Canada, June 1915, vol. 17, no. 1, pp. 25-29.

A popular account of this fish, describing its coloration, habits and haunts.

The Ouananiche Salmon.

Idem, August, 1915, vol. 17, no. 3, pp. 247-251.

A popular account of the characteristics, habits and habitat of this salmon and of the Sebago salmon.

The Atlantic Salmon.

Idem, September 1915, vol. 17, no. 4, pp. 344-347.

A popular account of the characteristics, habits and habitat of this fish.

The Pacific Salmon.

Idem, December, 1915, vol. 17, no. 7, pp. 687-690.

A popular account of the characteristics and habits of the various species of Oncorhynchus.

MARTIN, W. H.

Same experiments on the freezing and thawing of live fish.

Contributions to Canadian Biology, 1911-1914. Fasciculus 1—Marine Biology. Supplement to 47th Annual Report of the Department of Marine and Fisheries, Fisheries Branch, 1915, pp. 73-75.

An account of experiments performed on the Mummichog (*Fundulus heteroclitus*).

PRINCE, EDWARD E.

The curious egg of the hagfish (Myxine).

The Ottawa Naturalist, December, 1915, vol. XXIX, no. 9, pp. 111-113.

Gives a description of the external features of this rarely-found object.

AMPHIBIA.

CAMERON, A. T.

Further experiments on the effect of low temperatures on the frog.

Quarterly Journal of Experimental Physiology, February, 1915, Vol. VIII, no. 4, pp. 341-346.

PIERSOL, W. H.

On the egg-laying habits of Plethodon cinereus.

Transactions of the Royal Canadian Institute, 1914 (May, 1915), vol. X, part 2, no. 24, pp. 121-126.

AVES (Birds).

ABBOTT, GERALD A.

Interesting sets in my shore bird collection.

The Oologist, September, 1915, vol. XXXII, no. 9, pp. 149-150.

Contains records from several localities in Canada and Newfoundland.

ANDERSON, ERNEST M.

Nesting of the Bohemian Waxwing in Northern British Columbia.

The Condor, July-August, 1915, vol. XVII, no. 4, pp. 145-148, with figs, 50 and 51.

Supplement to the birds published in the Annual Report 1913—Errata.
Report of the Provincial Museum of Natural History for the year 1914. Province of British Columbia, 1915, pp. F17-F18.

Birds collected and observed in the Atlin district, 1914.
Idem, 1915, pp. F8-F17.
An annotated list of 84 species.

BEAL, F. E. L.

Food habits of the thrushes of the United States.
Bulletin 280, Bureau of Biological Survey, United States Department of Agriculture, September 27, 1915, pp. 1-23, with 2 text figures.

Some common birds useful to the farmer.
Farmer's Bulletin, no. 630, United States Department of Agriculture, February, 1915, pp. 1-27, with 23 text figures.

BISHOP, LOUIS B.

Description of a new race of Savannah Sparrow and suggestions on some California birds.
The Condor, September-October, 1915, vol. XVII, no. 5, pp. 185-189.
Describes *Passerculus sandwichensis brooksi* n. subsp., taken at Chilliwack, B.C. Contains also records of other varieties of this sparrow and of other species of birds from several localities in British Columbia and Saskatchewan.

BRADSHAW, F.

The Grouse of Saskatchewan.
Annual Report of the Saskatchewan Naturalists' Club, 1914. Appendix to Report of the Chief Game Guardian, Department of Agriculture, Saskatchewan, 1915, pp. 64-71, with 4 figures.
Gives descriptive notes on the five resident species of grouse and on their habits and distribution.

BROWN, W. J.

Bird Note.
The Ottawa Naturalist, February, 1915, vol. XXVIII, no. 11, p. 160.
Note on the observation of a flock of crows.

CHAPMAN, FRANK M.

Note on the plumage of North American Sparrows, Thirty-first paper.
Bird-lore, January-February, 1915, vol. XVII, no. 1, pp. 20-21.
Discusses the following species of Junco: Montana, Pink-sided, Ridgway's, Townsend's, Baird's, Guadaloupe, Arizona, Red-backed and Grey-headed Juncos.

Notes on the plumage of North American Birds. Thirty-second paper.
Idem, March-April, 1915, vol. XVII, no. 2, p. 126.
Discusses Kennicott's Willow Warbler, the Ruby-crowned Kinglet, the Sickan, Dusky, Golden-crowned and Western Gold-crowned Kinglets.

Notes on the plumage of North American Birds. Thirty-fourth paper.

Idem, May-June, 1915, vol. XVII, no. 3, p. 203.

Discusses the Blue-gray, Western, Plumbeous and Blacktail Gnat-catchers.

Notes on the plumage of North American Birds. Thirty-fourth paper.

Idem, September-October, 1915, vol. XVII, no. 5, p. 378.

Discusses the Tufted, Black-crested, Plain and Bridled Titmouse.

Notes on the plumage of North American Birds.

Idem, November-December, 1915, vol. XVII, no. 6, pp. 445-446.

Discusses the White-breasted, Red-breasted, Brown-headed and Pygmy Nuthatches.

COALE, HENRY K.

The present state of the Trumpeter Swan (Olor buccinator).

The Auk, January, 1915, vol. XXXII, no. 1, pp. 82-90, with plates VII-X.

Gives information collected from the literature and by correspondence showing the present distribution of this rare bird in museums and private collections.

COOKE, WELLS W.

Bird Migration.

Bulletin 185, Bureau of Biological Survey, United States Department of Agriculture, April 17, 1915, pp. 1-47, with 4 plates and 20 text figures.

The text figures are maps showing the distribution and migration routes of various birds.

Distribution and Migration of North American Gulls and their allies.

Bulletin 292, Bureau of the Biological Survey, United States Department of Agriculture, October 25, 1915, pp. 1-70, with 31 text-figures.

The figures are maps showing the distribution and breeding areas of the various species.

Our shore birds and their future.

Yearbook, United States Department of Agriculture, Separate 642, 1915, pp. 275-294, with 3 plates and 3 text-figures.

The figures are maps showing the distribution of Wilson's Snipe, the Woodcock and the Eskimo Curlew.

The Migration of North American Sparrows, Thirty-second paper.

Bird-lore, January-February, 1915, vol. XVII, no. 1, pp. 18-19, with one coloured plate.

Describes the migration-routes and distribution of the following species of Junco: The Pink-sided, Grey-headed, Arizona, Baird's and the Guadaloupe Juncos.

The Migration of North American Kinglets.
Idem, March-April, 1915, vol. XVII, no. 2, pp. 118-126, with one coloured plate.
Discusses the Kennicott Willow-Warbler, Golden-crowned kinglet and Ruby-crowned Kinglet.

The Migration of North American Birds.
Idem, May-June, 1915, vol. XVII, no. 3, pp. 198-203, with one coloured plate.
Discusses the Brown Creeper, Blue-gray Gnatcatcher, Plumbeous Gnatcatcher and Black-tailed Gnatcatcher.

The Migration of North American Birds.
Idem, September-October, 1915, vol. XVII, no. 5, p. 378, with one coloured plate.
Discusses the Tufted, Black-crested, Plain and Bridled Titmice.

The Migration of North American Birds.
Idem, November-December, 1915, vol. XVII, no. 6, pp. 443-445.
Discusses the White-breasted, Red-breasted, Brown-headed and Pygmy Nuthatches.

Bird Migration in the Mackenzie Valley.
The Auk, October, 1915, vol. XXXII, no. 4, pp. 442-459, with 5 maps, showing migration routes, breeding range, etc., of various species.

The Yellow-billed Loon: a problem in migration.
The Condor, November-December, 1915, vol. XVII, no. 6, pp. 213-214.
Suggests the probability of the winter home of this bird being in eastern Asia.

CRIDDLE, NORMAN.

Some habits of Swainson's Hawk in Manitoba.
The Ottawa Naturalist, November, 1915, vol. XXIX, no. 8, pp. 94-97.
An interesting paper on the nesting, feeding and defensive habits of this hawk.

DALE, MELVILLE.

August Bird Life at Pleasant Point, Ont.
Idem, March, 1915, vol. XXVIII, no. 12, pp. 168-174.
Describes the locality and gives an annotated list of 103 species of birds observed there.

DICKEY, S. S.

The Northern Raven.
The Oologist, July, 1915, vol. XXXII, no. 7, pp. 106-107.
An account of the habits of this bird.

DUNLOP, ERIC B.

Notes on Some Manitoba Birds.
The Auk, October, 1915, vol. XXXII, no. 4, pp. 500-501.
Gives records of 10 species of birds, with notes on their nesting habits.

GERALD, GEORGE E.

The American Merganser.

The Oologist. April, 1915, vol. XXXII, no. 4. pp. 66-67.

An account of the habits of this bird, as observed by the author on Muskoka Lake.

Late Nesting of the Wilson's Thrush.

Idem, December, 1915, vol. XXXII, no. 12, pp. 211-212.

Observations made at Sparrow Lake, Muskoka, Ont., on June 24-27, 1915.

GREY, H.

Bird notes from British Columbia and Southern California.

The Condor, January-February, 1915, vol. XVII, no. 1, p. 59.

Notes that *Pelecanus californicus* (California Brown Pelican) was said to have been seen at Esquimalt Harbour, B. C., on 1884.

HARRINGTON, PAUL.

Ontario, 1914, Nests.

The Oologist, June, 1915, vol. XXXII, no. 6, p. 99.

Observations on the nests of 12 species of birds found at Toronto, Wasago Beach and Thorah Island, Ont.

HENDERSON, A. D.

Nesting of the Great Grey Owl in Central Alberta. (Scotiapex nebulosa nebulosa).

The Oologist, January, 1915, vol. XXXII, no. 1, pp. 2-6, with 3 plates.

Describes the finding of the nest of this bird and also nests of the Western Horned Owl.

Drumming of the Ruffed Grouse.

Idem, July, 1915, vol. XXXII, no. 7, pp. 117-118.

HORSBRUGH, CHARLES B.

Ornithological Notes from the Alix and Buffalo Lake Districts, Province of Alberta, Canada, 1914.

The Ibis, October, 1915, Tenth Series, vol. III, no. 4, pp. 670-689.

An annotated list of 80 species of birds from this district.

LE NATURALISTE CANADIEN. (Editorial).

Le faisan dans le Province de Québec.

Juin, 1915, vol. XLI (XXI of the new series), no. 12, p. 180.

MAYNARD, FRANK H.

Vancouver Island Birds.

The Oologist, January, 1915, vol. XXXII, no. 1, p. 19.

A list of 51 species of birds observed in this locality. T' · list is followed by "Notes on the Foregoing," by the editor (R. N arnes), in which various emendations are made

MITCHELL, H. H.

Mallards wintering in Saskatchewan.

The Auk, April, 1915, vol. XXXII, no. 2, p. 225.

Notes on a number of mallards observed throughout the winter on Wascana Lake, near Regin sk.

Lewis's Woodpecker in Saskatchewan.
Idem, April, 1915, vol. XXXII, no. 2, p. 228
Records the capture of a male adult of this species at Herchel, Sask.
Crows nesting on the ground.
Idem, April, 1915, vol. XXXII, no. 2, p. 229.
Several crows were found nesting on the ground on an island in Lost Mountain Lake, Sask.

MUNRO, J. A.
Two new records for British Columbia.
The Auk, January, 1915, vol. XXXII, no. 1, pp. 107, 108
Records the Lark Bunting (*Calamospiza melanocorys*) and White-throated Sparrow, (*Zonotrichia albicollis*) and gives notes on three other species.

NORMAN, E. S.
Nesting of the Western Horned Owl in Northern Manitoba *
The Oologist, January, 1915, vol. XXXII, no. 1, pp. 6-9
Nesting of the Greater Yellow-legs in Manitoba. (Totanus melanoleucus)
Idem, August, 1915, vol. XXXII, no. 8, pp. 126-127.
Bird Notes from Mulverhill, Man.
The Ottawa Naturalist, October, 1915, vol. XXIX, no. 7, p. 73.
Brief notes on 5 species of birds.

REINECKE, EDWARD.
White-breasted Nuthatch.
The Oologist, December, 1915, vol. XXXII, no. 12, p. 212.
Records the finding of a cow-bird's egg in the nest of a white-breasted nuthatch, 50 feet from the ground, at Sherkston, Ont.

ROGERS, CHARLES H. R.
Bird-lore's Fifteenth Christmas Census.
Bird-lore, January-February, 1915, vol. XVII, no. 1, pp. 22-48
Data are given from the following Canadian localities: Arnprior, Franklin, Realboro, London, Millbrook and Port Dover, Ont., and Yarmouth, N.S.

TAVERNER, P. A.
The Double-crested Cormorant (*Phalacrocorax auritus*) and its relation to the salmon industries on the Gulf of St. Lawrence.
Museum Bulletin, no. 5, Geological Survey of Canada, April 30, 1915, pp. 1-24, with Plate 1.
Suggestions for ornithological work in Canada.
The Ottawa Naturalist, April, 1915, vol XXIX no. 1, pp. 14-18.
Idem, May, 1915, vol. XXIX, no. 2, pp. 21-28.

TERRILL, L. McI.
Notes from the Laurentian Hills. Yellow-bellied Flycatcher, Golden-crowned Kinglet and Blackburnian Warbler.
The Wilson Bulletin, June, 1915, vol. XXVII, no. 2, pp. 302-309.
Gives notes on the nests and habitats of these birds

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*Corrected title, v. p. 22. The title as originally given—"Nesting of the Western Horned Lark in Central Alberta"—is erroneous

THAYER, JOHN E.

Wilson's Snipe Wintering in Nova Scotia.
The Auk, July, 1915, vol. XXXII, no. 3, p. 368.
A specimen was shot at Wolfville, N.S., on Feb. 17. 1915.

TUFTS, ROBIE W.

Wilson's Snipe Wintering in Nova Scotia.
Bird-lore, May-June, 1915, vol. XVII, no. 3, p. 208.
Describes the wintering of this bird at Wolfville, N.S.

Winter Robins.
Idem, May-June, 1915, vol. XVII, no. 3, p. 212.
Observations on wintering robins in Nova Scotia.

WILLIAMS, M. Y.

Notes on the Herring Gull (Larus argentatus).
The Ottawa Naturalist, November, 1915, vol. XXIX, no. 8, pp. 89-90.

WRIGHT, ALBERT HAZEN.

Early Records of the Wild Turkey, III.
The Auk, January, 1915, vol. XXXII, no. 1, pp. 61-81.
Notes are given from Canada and various parts of the United States.

MAMMALIA.

ANDERSON, E. M.

Mammals collected in Atlin District, 1914.
Report of the Provincial Museum of Natural History for the year 1914.
Province of British Columbia, 1915, pp. F18-F19.
An annotated list of 17 species.

Revised list of mammals collected in the Okanagan Valley in 1913.
Idem, 1915, pp. F20-F21.
An annotated list of 19 species.

BAILEY, VERNON.

Revision of the Pocket Gophers of the Genus Thomomys.
North American Fauna, Bureau of the Biological Survey, United States Department of Agriculture, no. 39, Nov. 15, 1915, pp. 1-136, with Plates I-VIII, and 10 text figures.
An important monograph of this genus. Three races of *Thomomys talpoides* and two of *T. fuscus* are reported from Canadian localities.

BRADSHAW, F.

Gophers and Squirrels.
Annual Report of the Saskatchewan Naturalists' Club, 1914, Appendix to the Report of the Chief Game Guardian, Department of Agriculture, Saskatchewan, 1915, pp. 56-64, with 4 figures.
Gives brief descriptions of four species with notes on their habits and methods of control.

CRIDDLE, STUART.

The banded pocket mouse, Perognathus fasciatus, Wild.

The Ottawa Naturalist, January, 1915, vol. XXVIII, no. 10, pp. 130-134, with figure.

An account of the characteristics and habits of this animal in Manitoba.

Notes on a Wounded Deer.

Idem, May, 1915, vol. XXIX, no. 2, p. 32.

Describes the condition of a mule deer, shot by the author, which had been previously wounded and the genital glands destroyed.

DEARBORN, NED.

Silver Fox Farming in Eastern North America.

Bulletin no. 301, Bureau of the Biological Survey, United States Department of Agriculture, October 29, 1915, pp. 1-35, with 22 text figures.

HOWELL, ARTHUR H.

Revision of the American Marmots.

North American Fauna, no. 37, Bureau of the Biological Survey, United States Department of Agriculture, 1915, pp. 1-80, with Plates I-XV and 3 text figures.

An important paper containing extensive data on the habits, food, distribution, economic status and taxonomy of the marmots or woodchucks. Five races of *Marmota monax*, one of *M. flaviventris*, four of *M. caligata* and *M. vancouverensis* are reported from Canadian localities.

JACKSON, HARTLEY H. T.

A Review of American Moles.

North American Fauna, no. 38, Bureau of the Biological Survey, United States Department of Agriculture, September 1915, pp. 1-100, with plates I-VI and 27 text figures.

An important paper, giving extensive data on the taxonomy of this group. Five species are recorded from Canadian localities.

MARTIN, EDWARD T.

The Carnivora as Destroyers of Game.

Rod and Gun in Canada, October, 1915, vol. 17, no. 5, pp. 425-431.

TAYLOR, WALTER P.

Description of a new subgenus (Arborimus) of Phenacomys, with a contribution to knowledge of the habits and distribution of Phenacomys longicaudus True.

Proceedings of the California Academy of Sciences, Fourth Series, December, 1915, vol. 5, pp. 111-161, with Plate XV.

Phenacomys intermedius is recorded from two Canadian localities in Alberta and British Columbia.

TILLETT, B. C.

The evolution of the sheep.

The Ottawa Naturalist, November, 1915, vol. XXIX, no. 8, pp. 90-93.

A brief popular account of the origin of wild and domesticated varieties of sheep.

MISCELLANEOUS.

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Analyses were made of various species of Coelenterata, Annelida, Bryozoa, Echinodermata, Crustacea, Mollusca, Tunicata and Pisces.

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